

Converting Colors

XYZ(51.3913, 34.4890, 19.1455)

Have a look what the booklet for
XYZ(51.3913, 34.4890, 19.1455)
contains.

XYZ(49.7406, 33.5817, 19.1895)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7406, 33.5817,
19.1895)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E70
RGB	255, 110, 112
RGB Percent	100%, 43%, 44%
CMY	0.0000, 0.5686, 0.5608
CMYK	0.00, 0.57, 0.56, 0.00
HSL	359°, 100%, 72%
HSV	359°, 57%, 100%
XYZ	49.7406, 33.5817, 19.1895
YIQ	153.5830, 85.7780, 31.3620

Conversions

Conversions Part 2

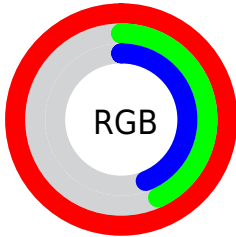
Format	Color
R_{YB}	255, 110, 112
Decimal	16739952
CIE _{Lab}	64.63, 55.39, 26.88
CIE _{LCh}	65, 61.568, 25.890
Yxy	33.5817, 0.4852, 0.3276
Android (android.graphics.Color)	4294930032 (0xFFFF6E70)
YUV	153.5830, -20.5004, 88.9427
Hunter-Lab	57.9497, 51.8018, 20.9315

Details

The XYZ color **49.7406, 33.5817, 19.1895** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **59.9222, 81.9277, 105.5902**, and the grayscale version is **30.5943, 32.1876, 35.0523**.

A 20% lighter version of the original color is **61.5771, 51.2128, 41.7615**, and **24.2369, 14.3460, 6.3421** is the 20% darker color. If you saturate the color by 10%, you get **46.1641, 28.3655, 12.0270**, and if you desaturate by 10%, it is **54.5011, 40.5406, 28.6761**.

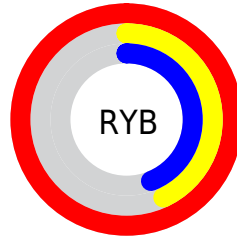
Distribution



Red (100%)

Green (43%)

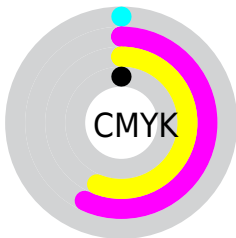
Blue (44%)



Red (100%)

Yellow (43%)

Blue (44%)

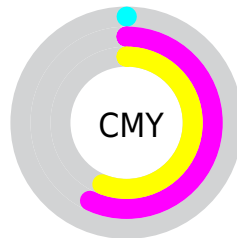


Cyan (0%)

Magenta (57%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7406, 33.5817, 19.1895 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.7406, 33.5817, 19.1895 by changing the saturation by 10% instead.


 49.7406, 33.5817,
19.1895


 49.7406, 33.5817,
19.1895


376.1194,
318.2628, 259.9504

 35.4243, 22.5724,
11.6291

 88.9845, 65.2826,
42.8950


 24.1579, 14.2781,
6.3722


 114.6429, 86.7431,
59.8772

 15.5762, 8.3144,
3.0003


 144.8126,
112.4561, 80.8371

 9.3137, 4.2967,
1.0948

 179.8591,
142.8060, 106.1932

 5.0051, 1.8409,
0.0000

220.1476,
178.1773, 136.3640

 2.2850, 0.5125,
0.0000

266.0436,

 0.7870, 0.0000,

218.9542, 171.7681

0.0000

317.9125,
265.5213, 212.8241

■ 0.0000, 0.0000,
0.0000

■ 49.7406, 33.5817,
19.1895

■ 49.7406, 33.5817,
19.1895

■ 46.1641, 28.3655,
12.0270

■ 54.5011, 40.5406,
28.6761

■ 43.6656, 24.7333,
6.9872

■ 60.5345, 49.3720,
40.6616

■ 42.1249, 22.5069,
3.8376

■ 67.9240, 60.1996,
55.3062

■ 41.3896, 21.4589,
2.2895

■ 76.7449, 73.1349,
72.7560

■ 41.2591, 21.2676,
2.0311

■ 87.0672, 88.2815,
93.1466

95.0499, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0039, 33.5817, 40.1583



49.7406, 33.5817, 19.1895



42.4075, 33.5817, 9.2877

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.7406, 33.5817, 19.1895



19.8327, 33.5817, 15.5271



30.7180, 33.5817, 109.5793

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.7406, 33.5817, 19.1895



59.9222, 81.9277, 105.5902

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.3194, 33.5817, 93.3415



49.7406, 33.5817, 19.1895



17.8122, 33.5817, 33.1923

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.7406, 33.5817, 19.1895



25.0696, 33.5817, 7.9600



18.9605, 33.5817, 62.1446



39.9131, 33.5817, 99.9973

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7406, 33.5817, 19.1895



36.2349, 33.5817, 6.7886



18.9605, 33.5817, 62.1446



27.9590, 33.5817, 106.8158

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.7414, 33.5835, 19.1901



76.6108, 72.9380, 72.4906



63.9832, 39.1782, 98.7973



15.9941, 15.0195, 14.7177



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.7414, 33.5835, 19.1901



45.8268, 27.8743, 11.3488



60.3938, 55.0638, 22.1996



18.0195, 17.9911, 18.7200



21.5632, 11.1146, 1.0843



2.1029, 1.0835, 0.1235

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.7414, 33.5835, 19.1901



45.8268, 27.8743, 11.3488



41.8138, 45.2003, 101.1282



18.0195, 17.9911, 18.7200



21.5632, 11.1146, 1.0843



2.1029, 1.0835, 0.1235

Previews

White Background



This preview shows how the XYZ color 49.7406, 33.5817, 19.1895 looks on a white background.

Color Contrast Check

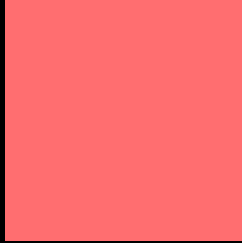
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.7406, 33.5817, 19.1895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7406, 33.5817, 19.1895

Background



This preview shows how black text looks on a background with the XYZ color 49.7406, 33.5817, 19.1895.



This preview shows how white text looks on a background with the XYZ color 49.7406, 33.5817,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.7406, 33.5817, 19.1895

Protanopia

31.8077, 33.8067, 27.0392

Deuteranopia

34.1952, 33.5240, 18.0331



Tritanopia

50.0268, 33.6962, 20.6969

Trichromacy



Original Color

49.7406, 33.5817, 19.1895

Protanomaly

36.3685, 32.2426, 23.7087

Deuteranomaly

38.5221, 32.4077, 18.4123

Tritanomaly

49.9104, 33.6497, 20.0841

Monochromacy



Original Color

49.7406, 33.5817, 19.1895

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

35.2345, 31.1174, 28.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7406, 33.5817, 19.1895 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 110, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 112)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.7406, 33.5817, 19.1895 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 110, 112) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 110, 112) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7406, 33.5817, 19.1895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 112) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
110, 112) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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